

a' amended.
a convex outer surface adapted to be disposed adjacent to a radial inner surface of the stator core; and

a concave inner surface adapted to be disposed adjacent to a radial outer surface of the rotor;

wherein the flux shunt attracts fringing magnetic flux in a power generator and wherein a permeability of the flux shunt is greater than a permeability of the stator core.

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6. (Amended) A power generator stator assembly comprising:

a substantially cylindrical stator core comprising a radial inner surface, an outer surface, and two ends; and

a flux shunt having a convex outer surface, the convex outer surface disposed adjacent to the inner surface of the stator core, the flux shunt disposed at one end of the two ends of the stator core, wherein a permeability of the flux shunt is greater than a permeability of the stator core.

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9. (Amended) The power generator stator assembly of claim 8, wherein the inner surface of the stator core comprises multiple steps stepping the stator core away from a rotor disposed inside of the stator core, and wherein the flux shunt outer surface mates with the multiple steps of the stator core.

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20. (Amended) A power generator comprising:
an approximately cylindrically-shaped stator comprising a stator core, a radial inner surface, an outer surface, and two ends;

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a flux shunt radially disposed adjacent to the inner surface of the stator at approximately an end of the two ends of the stator; and

a rotor rotatably disposed inside of the stator;

wherein a rotation of the rotor causes an induction of a magnetic flux that is greater than the magnetic flux that would be induced in the absence of the flux shunt.

Please add the following new claims 23-31:

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23. (New) The flux shunt of claim 2, wherein the magnetically isotropic material comprises powdered iron.

24. (New) The power generator stator assembly of claim 11, wherein the magnetically isotropic material comprises powdered iron.

25. (New) The power generator stator assembly of claim 12, wherein the flux retainer is affixed to an outside space block disposed at one of the two ends.

26. (New) The power generator stator assembly of claim 6, wherein the convex outer surface of the flux shunt is attached to the radial inner surface of the stator core.

27. (New) A power generator stator assembly comprising:
a stator core having a radial inner surface; and
a flux shunt formed from an electrically resistive, thermally conductive, and magnetically permeable material, the flux shunt being disposed adjacent to the inner surface of the stator core.

28. (New) The power generator stator assembly of claim 27, wherein the electrically

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resistive, thermally conductive, and magnetically permeable material comprises a magnetically isotropic material.

29. (New) The power generator stator assembly of claim 28, wherein the magnetically isotropic material comprises powdered iron.

30. (New) The power generator stator assembly of claim 27, wherein the stator core comprises a radial inner surface and the flux shunt is disposed proximate to the radial inner surface.

31. (New) The power generator stator assembly of claim 27, wherein the stator core comprises opposing axial ends and the flux shunt is disposed at one of the opposing axial ends.

REMARKS

Reconsideration and allowance of the subject application are respectfully requested. The specification has been amended to provide a more descriptive title. Claims 1, 6, 9 and 20 have been amended. Claims 23-31 have been added. The basis for the additional claims, amendment to the specification and amendments to the claims may be found throughout the specification, drawings and claims as originally filed. No new matter has been added.

Specification

The title has been amended to be more descriptive.

The Examiner requests a substitute specification that is double-spaced. Applicants submit